SYSTEMS AND METHODS FOR IMPROVED TIME SLOT
SYNCHRONIZATION USING ENHANCED TWO-TIMES
OVERSAMPLING
Inv.: Shuzo Kato and Kiyotaka Ogata
Dkt. No. 252/007

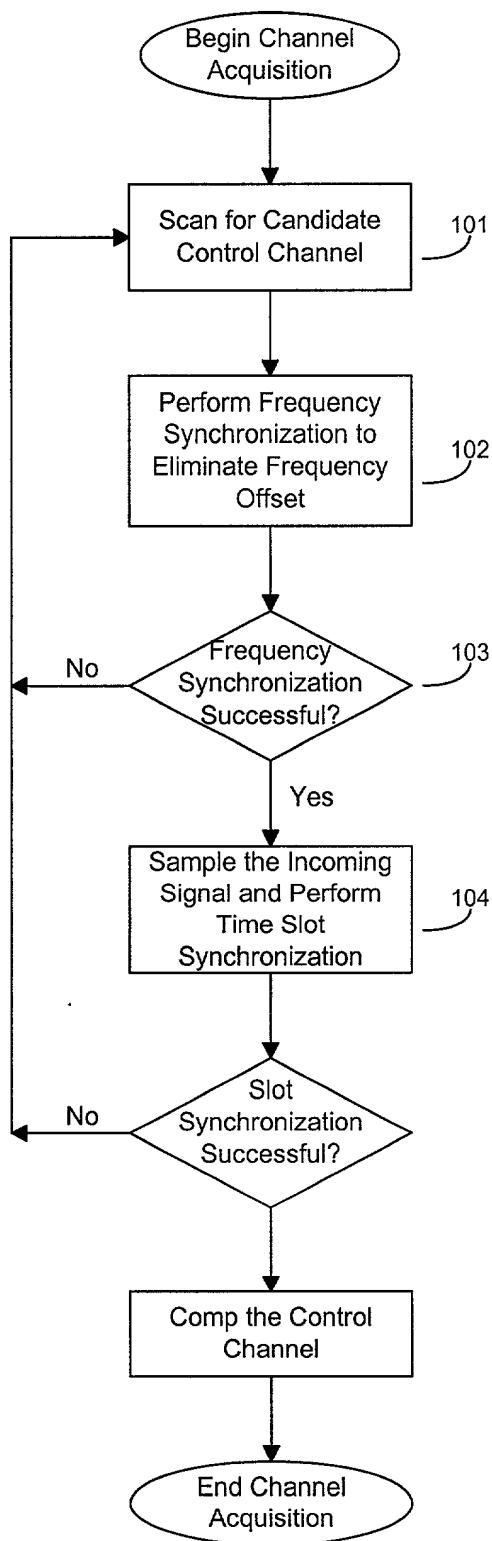01/07

Figure 1

Begin Channel
Acquisition

Scan for Candidate
Control Channel — 101

Perform Frequency
Synchronization to
Eliminate Frequency
Offset — 102

Frequency
Synchronization
Successful? — 103

No

Yes

Sample the Incoming
Signal and Perform
Time Slot
Synchronization — 104

Slot
Synchronization
Successful?

No

Comp the Control
Channel

End Channel
Acquisition

SYSTEMS AND METHODS FOR IMPROVED TIME SLOT
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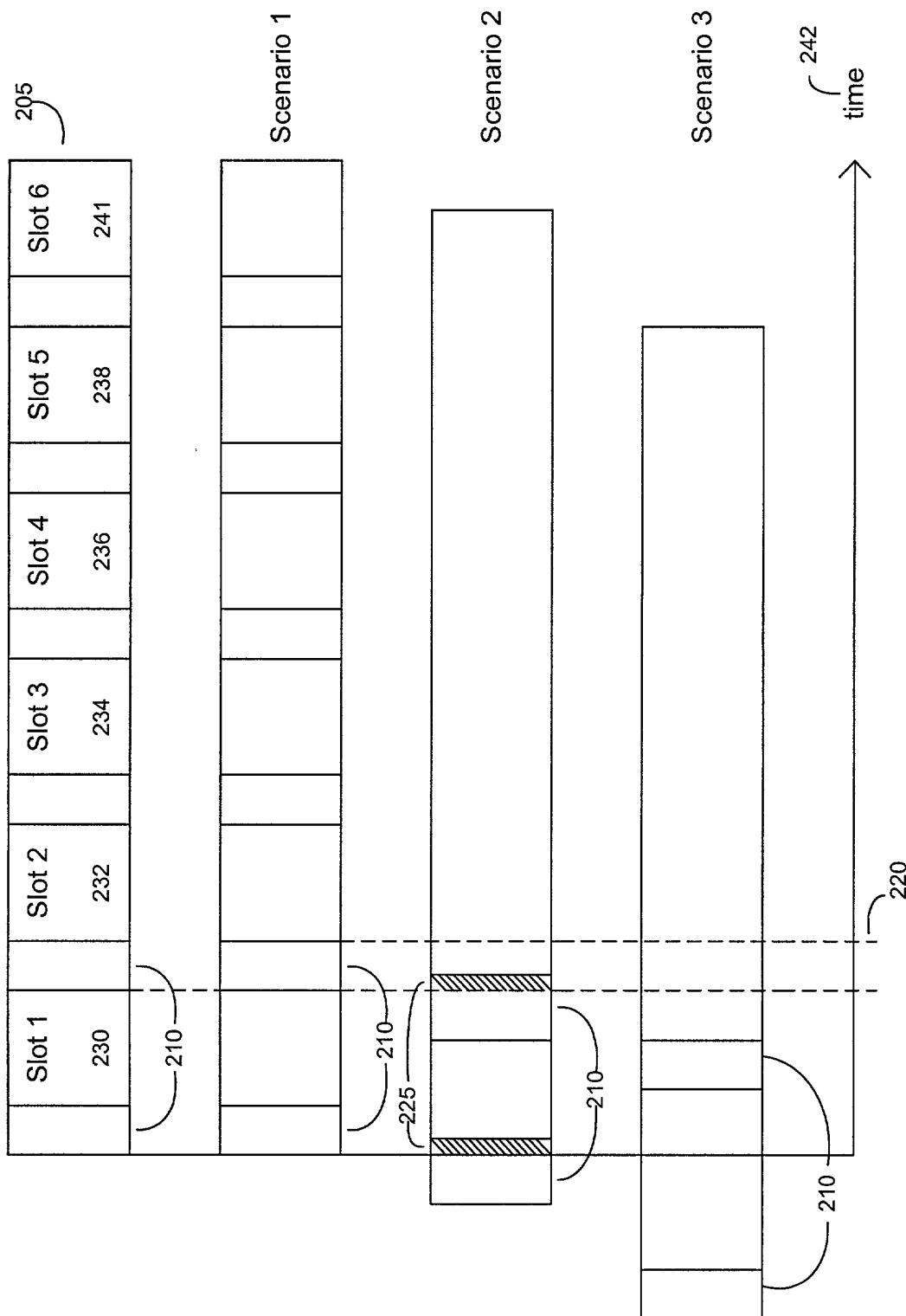Inv.: Shuzo Kato and Kiyotaka Ogata
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Figure 2

SYSTEMS AND METHODS FOR IMPROVED TIME SLOT
SYNCHRONIZATION USING ENHANCED TWO-TIMES
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Inv.: Shuzo Kato and Kiyotaka Ogata
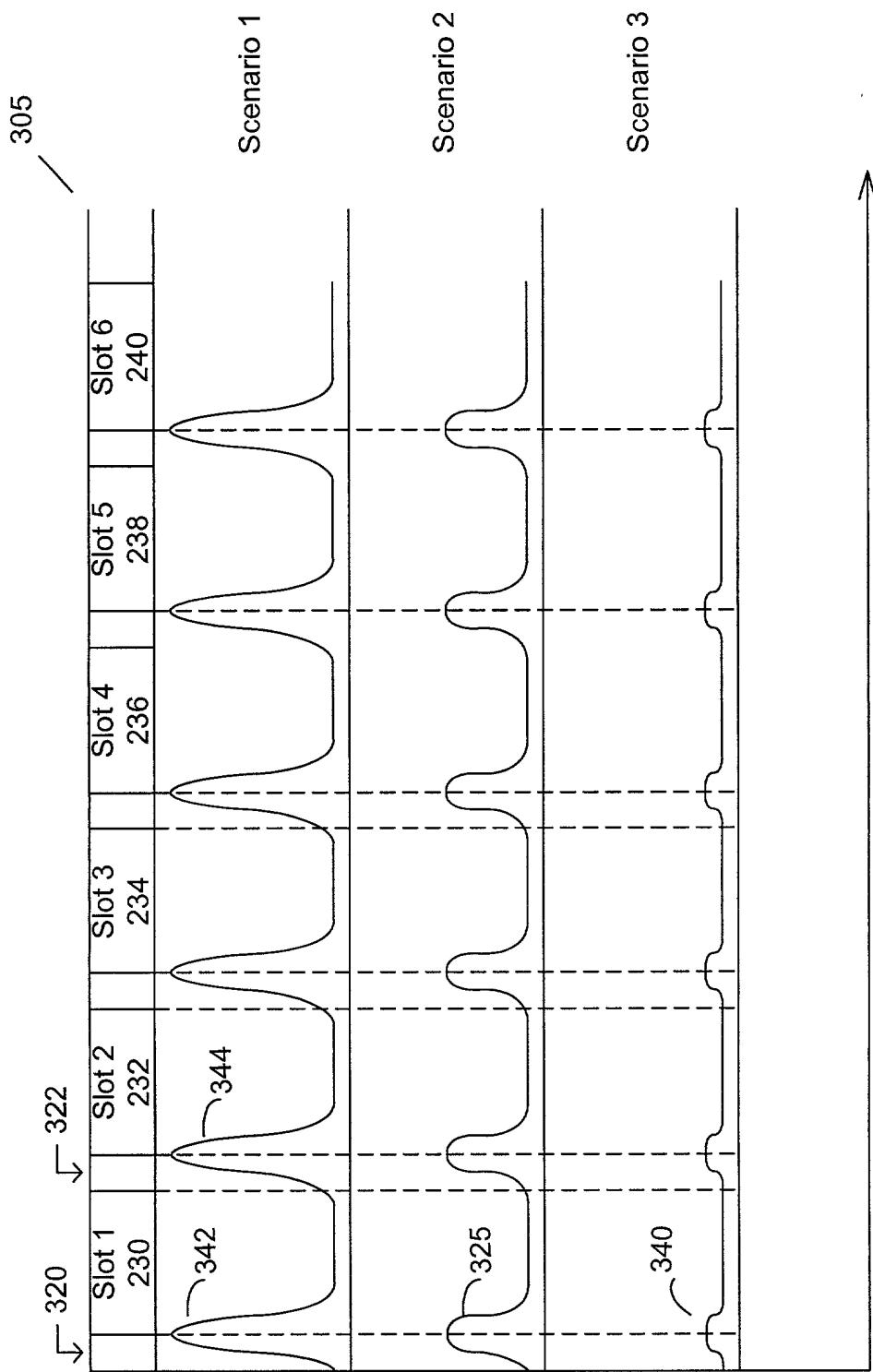Dkt. No. 252/007

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Figure 3

SYSTEMS AND METHODS FOR IMPROVED TIME SLOT
SYNCHRONIZATION USING ENHANCED TWO-TIMES
OVERSAMPLING
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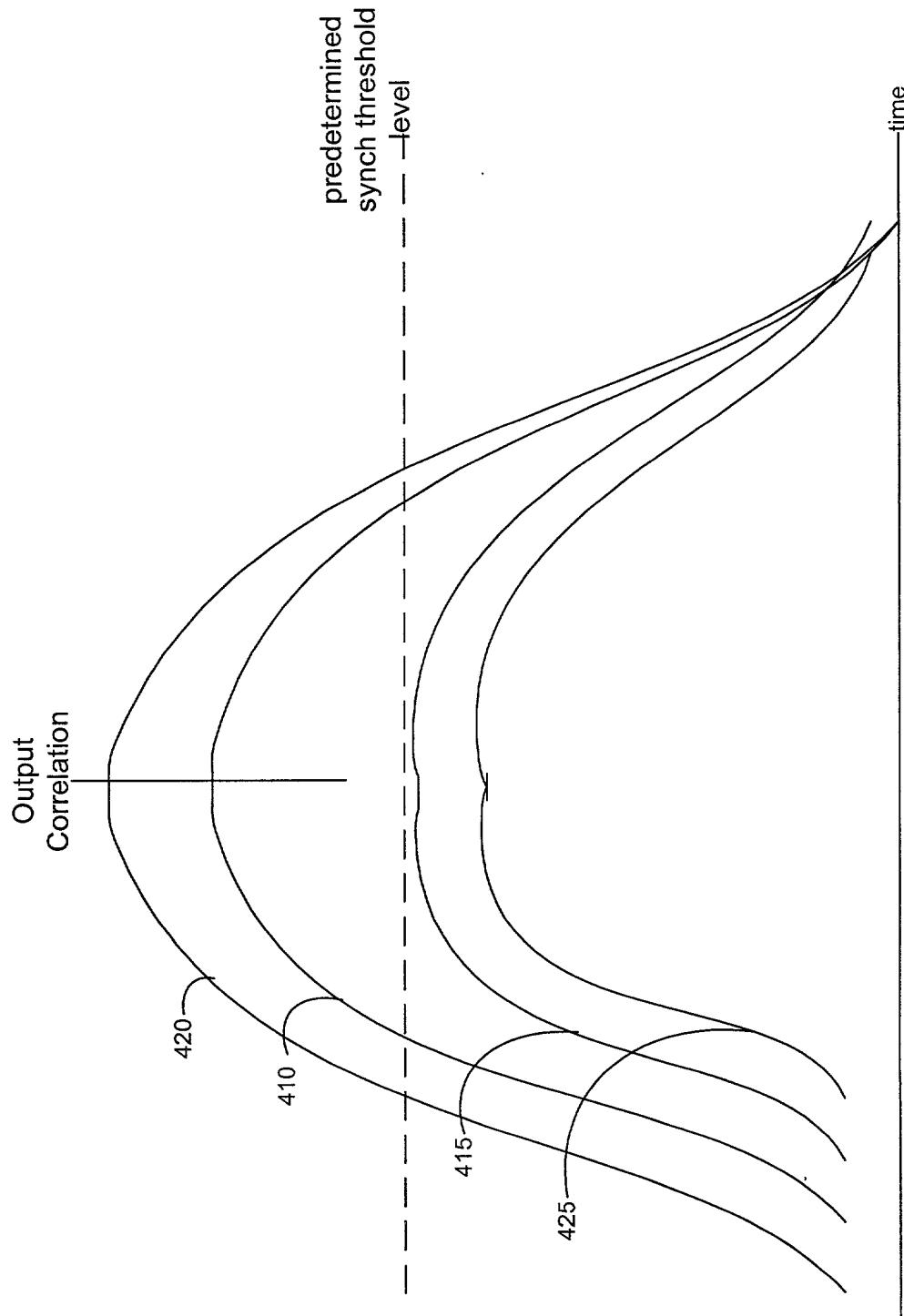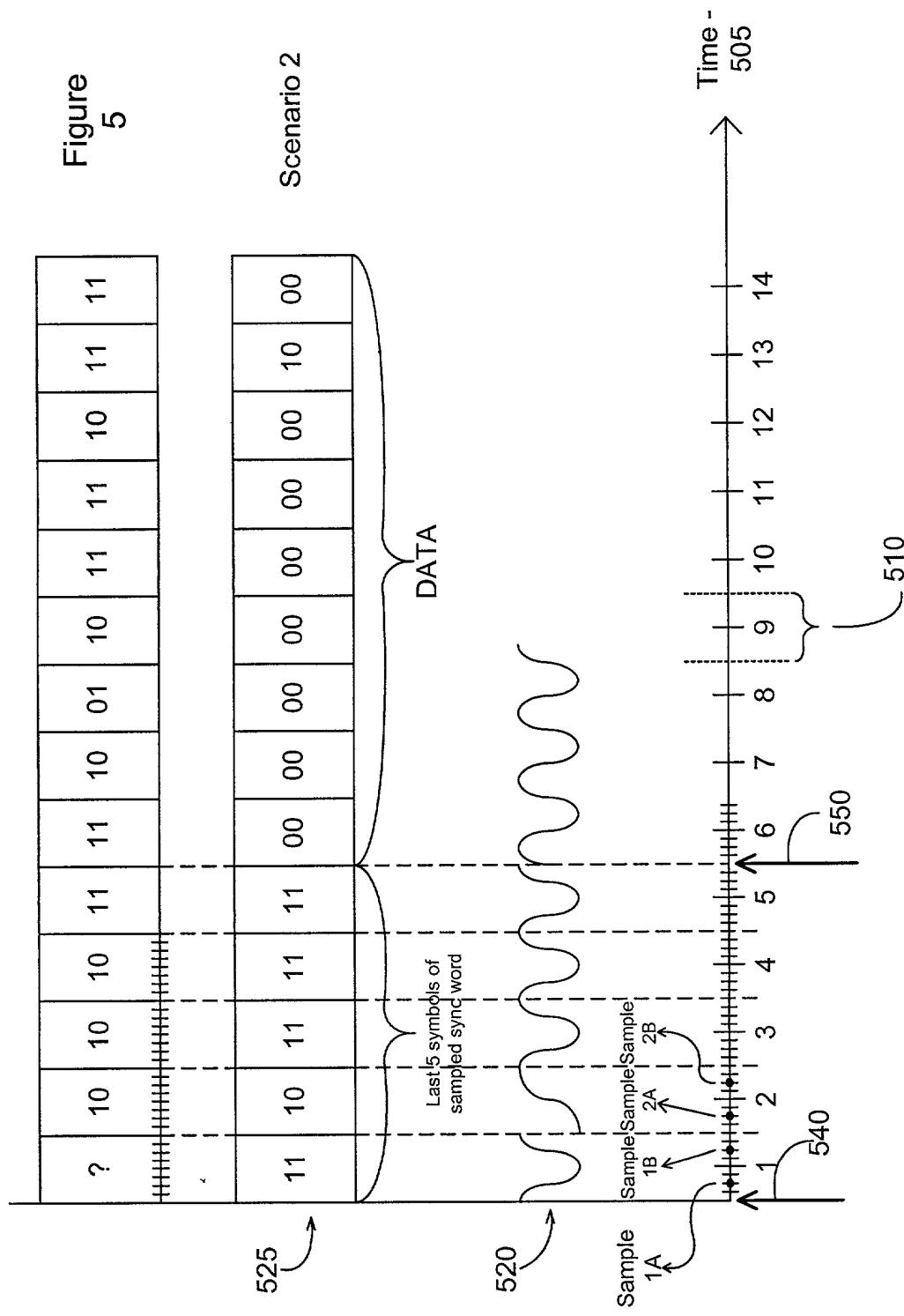Dkt. No. 252/007

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Figure 4

SYSTEMS AND METHODS FOR IMPROVED TIME SLOT
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Figure 5

Scenario 2

SYSTEMS AND METHODS FOR IMPROVED TIME SLOT
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OVERSAMPLING
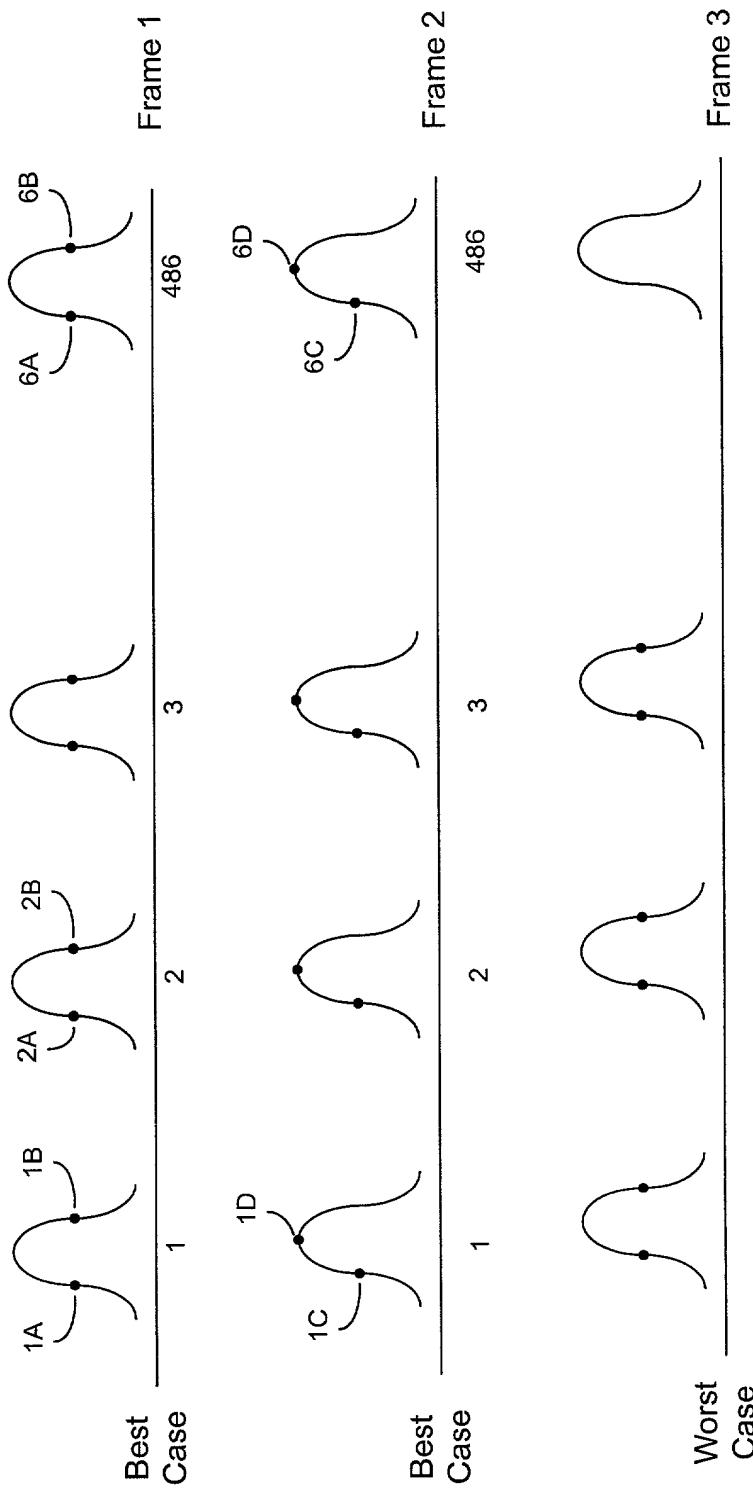Inv.: Shuzo Kato and Kiyotaka Ogata
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Figure 6

SYSTEMS AND METHODS FOR IMPROVED TIME SLOT
SYNCHRONIZATION USING ENHANCED TWO-TIMES
OVERSAMPLING
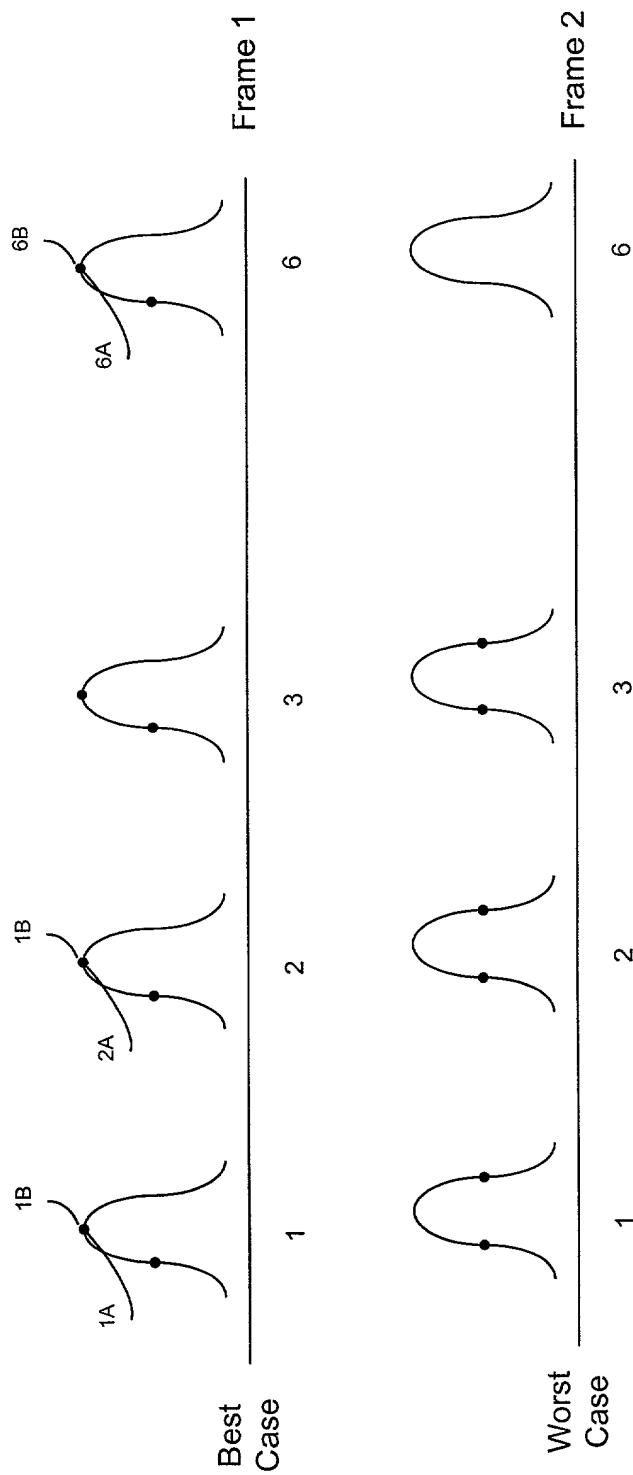Inv.: Shuzo Kato and Kiyotaka Ogata
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Figure 7